

# VIDYA BHAWAN BALIKA VIDYAPEETH

## STUDY MATERIAL SCIENCE

### CLASS-VI

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#### ▸ Light, shadow, Reflection

The following three things are required for a shadow to form (Fig. 13.4) :

- a source of light
- an opaque object
- a screen or surface behind the object



A shadow will not form if any of these is absent. This explains why we cannot see a shadow in the dark. It is only when light rays are obstructed by an opaque object that we get a shadow of the object.

Fig. 13.4 Formation of shadow